

BOBBY JINDAL
GOVERNOR



PEGGY M. HATCH
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.:

Activity No.: PER20100001
Agency Interest No.: 32998

Mr. David Daly
Dimension Energy Co, L.L.C
223 Week St
New Iberia, LA 70560

RE: Permit, Lake Hatch Central Facility, Dimension Energy Co, L.L.C
Houma, Terrebonne Parish, Louisiana

Dear Mr. Daly:

This is to inform you that the permit request for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets, and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Also enclosed is a document entitled "General Information." Please be advised that this document contains a summary of facility-level information contained in LDEQ's TEMPO database and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may email your changes to facupdate@la.gov.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2010.

Permit No.: 2880-00049-03

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:TVN

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
DIMENSION ENERGY, L.L.C
LAKE HATCH CENTRAL FACILITY
PROPOSED MINOR (SYNTHETIC) INITIAL AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a Minor (Synthetic) Initial Air Operating Permit for Dimension Energy Company, L.L.C, 223 Week St, New Iberia, LA 70560 for the Lake Hatch Central Facility. **The facility is located near Mile Post 70 in the Intracoastal Waterway at the end of the location canal surrounded by marshland 9 Miles SW of Houma, Terrebonne Parish.**

The Lake Hatch Central Facility is an existing oil and gas production facility. Dimension Energy Co, L.L.C requested the following:

- 1). Delete EPNs: OPE-01 (Pump engine), GE-02 (generator), GP-05, GP-06, GP-13 and 22-01-GOP through 26-01-GOP (gas operated pumps) and 21-01-LL (loading losses);
- 2). Delete Insignificant Activities: 4-01- LOT through 9-01-LOT (lube oil tanks), 14-01-01-CT through 16-0 –CT (chemical storage tanks) and 18-01-GT (glycol storage tank);
- 3). Add EPNs: 27-10-ICE-ES (gas compressor), 28-10-BV through 31-10-BV (blowcase vessels), 32-10-GOP through 36-10-GOP (gas operated pumps), 37-10-GPFS-RV (glycol pump flash separator-relief vent) and 38-10-HT-WG (heater treater waste gas); and
- 4). Update emissions based on updated throughout rates, current facility conditions, and/or updated emission factors.

Estimated emissions from this facility in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	**	1.24	**
SO ₂	**	0.08	**
NO _x	**	96.81	**
CO	**	90.57	**
VOC	**	94.11	**

**Currently, the facility operates under SOGA Permit No. 2880-00049-02, issued January 21, 2003.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

This permit was processed as an expedited permit in accordance with LAC 33:I.Chapter 18.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group,

P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, June 7, 2010.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application and the proposed permit are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov.**

An additional copy may be reviewed at the Terrebonne Parish Library, Headquarters, 151 Library Drive, Houma, LA 70360.

Inquiries or requests for additional information regarding this permit action should be directed to Tuongvan Nguyen, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3054.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number AI 32998, Permit Number 2880-00049-03, and Activity Number PER20100001.

Scheduled Publication Date: May 3, 2010

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Lake Hatch Central Facility
Agency Interest No.: 32998
Dimension Energy Co, L.L.C
Houma, Terrebonne Parish, Louisiana**

I. BACKGROUND

Dimension Energy Co, L.L.C, Lake Hatch Central Facility, an existing oil and gas production facility. The Lake Hatch Central Facility currently operates under Permit No. 2880-00049-02, issued January 21, 2003.

II. ORIGIN

A permit application dated March 2, 2010 was received requesting a permit.

III. DESCRIPTION

Operations from a typical oil and gas production facility that is used to treat and handle production from various nearby low pressure wells and one high pressure well. Production from the low pressure wells is routed to a bulk low pressure separator. Gas from the low pressure separator is compressed and then discharged to a glycol tower for drying prior to being piped off-site for sales. The glycol still column is equipped with a condenser where liquids are collected and vapors are routed to atmosphere. The glycol dehydration unit is also equipped with a glycol pump flash separator (GPFS) where off-gas is routed to the glycol burner and any relief is routed to the control flare for combustion. Water from the low pressure separator is routed to a gun barrel tank for gravity separation and then routed to a tank for storage until injection downhole for disposal. Oil from the low pressure separator is routed to a heater treater for further separation. Off-gas from the heater treater is routed to aforementioned control flare for combustion. Any water from the heater treater is routed to aforementioned gunbarrel tank. Oil from the heater treater is routed to on-site tanks for storage until piped off-site for sales. Production from the high pressure well is routed to a high pressure separator. Gas from the high pressure separator is routed to the aforementioned compressor. Water from the high pressure separator is routed to the aforementioned gunbarrel tank. Oil from the high pressure separator is routed to the aforementioned heater treater.

Dimension Energy Co, L.L.C requested the following:

- 1). Delete EPNs: OPE-01 (Pump engine), GE-02 (generator), GP-05, GP-06, GP-13 and 22-01-GOP through 26-01-GOP (gas operated pumps) and 21-01-LL (loading losses);
- 2). Delete Insignificant Activities: 4-01- LOT through 9-01-LOT (lube oil tanks), 14-01-01-CT through 16-0 -CT (chemical storage tanks) and 18-01-GT (glycol storage tank);
- 3). Add EPNs: 27-10-ICE-ES (gas compressor), 28-10-BV through 31-10-BV (blowcase vessels), 32-10-GOP through 36-10-GOP (gas operated pumps), 37-10-GPFS-RV (glycol pump flash separator-relief vent) and 38-10-HT-WG (heater treater waste gas); and

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Lake Hatch Central Facility
Agency Interest No.: 32998
Dimension Energy Co, L.L.C
Houma, Terrebonne Parish, Louisiana

4). Update emissions based on updated throughout rates, current facility conditions, and/or updated emission factors.

Estimated emissions from this facility in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	**	1.24	**
SO ₂	**	0.08	**
NO _x	**	96.81	**
CO	**	90.57	**
VOC*	**	94.11	**

**Currently, the facility operates under SOGA Permit No. 2880-00049-02, issued January 21, 2003.

*VOC speciation in tons per year:

LAC 33:III. Chapter 51 Toxic Air Pollutants TAP's:

<u>Pollutants</u>	<u>Emissions (TPY)</u>
2,2,4-Trimethylpentane	0.04
Acetaldehyde	0.09
Acrolein	0.03
Benzene	1.15
Ethyl benzene	0.09
Formaldehyde	1.11
Methanol	0.14
n-Hexane	3.47
Styrene	0.02
Toluene	0.77
Xylene	0.33
Total	7.24

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Lake Hatch Central Facility
Agency Interest No.: 32998
Dimension Energy Co, L.L.C
Houma, Terrebonne Parish, Louisiana

IV. TYPE OF REVIEW

This permit was reviewed for compliance with Louisiana Air Quality Regulations and National Emission Standards for Hazardous Air Pollutants (NESHAP). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs) and an area source of 40 CFR 63 Subpart ZZZZ. One engine (EQT026) is an affected area source under the NESHAP ZZZZ, but the manufacturer date of the engine is before the NSPS applicability date, thus the engine meets the NESHAP by meeting the requirements of the NSPS, but there are no requirements under NSPS [Subpart JJJJ or IIII] – [63.6590(c)].

This facility is a minor source of LAC 33:III.Chapter 51 Toxic Air Pollutants (TAPs).

V. PUBLIC NOTICE

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VI. EFFECTS ON AMBIENT AIR

Emissions associated with the proposed facility were reviewed to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

Dispersion Model(s) Used: None

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Lake Hatch Central Facility
Agency Interest No.: 32998
Dimension Energy Co, L.L.C
Houma, Terrebonne Parish, Louisiana**

VII. GENERAL CONDITION XVII ACTIVITIES

Work Activity	Schedule	Emission Rates - tons	
		PM ₁₀	VOC
Miscellaneous Sampling Procedures			0.25
Compressor Blowdowns Associated with Regular Maintenance	3 times/month		1.62
Line Preparation			0.25
Vessel Preparation			0.20
Filter Replacement			0.05
Instrumentation Mechanical Work			0.10
Tank Cleaning for Inspection/Service			0.38

VIII. INSIGNIFICANT ACTIVITIES

ID No.:	Description	Citation
HT-01	Heater Treater Burner Stack, 1.0 MMBtu/hr	LAC 33:III.501.B.5.A1
HT-02	Heater Treater Burner Stack, 1.0 MMBtu/hr	LAC 33:III.501.B.5.A.1
1-01-LOT	1 Lube Oil Tank, 120 gallons	LAC 33:III.501.B.5.A.2
2-01-LOT	6 Lube Oil Tanks, 250 gallons	LAC 33:III.501.B.5.A.2
10-01-LOT	1 Used Oil Tank, 90± gallons	LAC 33:III.501.B.5.A.2
11-01-CST	3 Chemical Storage Tanks, 120 gallons	LAC 33:III.501.B.5.A.2
12-01-CST	2 Chemical Storage Tanks, 150 gallons	LAC 33:III.501.B.5.A.2
13-01-CST	1 Chemical Storage Tanks, 200 gallons	LAC 33:III.501.B.5.A.2
3-01-LOT	2 Lube Oil Tanks, 500 gallons	LAC 33:III.501.B.5.A.3
17-01-GT	2 Glycol Storage Tanks, 300 gallons	LAC 33:III.501.B.5.A.3

General Information

AI ID: 32998 Lake Hatch Central Facility
Activity Number: PER20100001
Permit Number: 2880-00049-03
Air - Minor (Synthetic) Initial

ID	Name	User Group	Start Date
2880-00049	Lake Hatch Central Facility	CDS Number	06-15-1999
LAG33A557	LPDES Permit #	LPDES Permit #	04-04-2006

Main Phone: 3373670121

Physical Location: 9 Mi SW of Houma, LA

Mailing Address: 223 Week St New Iberia, LA 70560

Name	Mailing Address	Phone (Type)	Relationship
David Daly	223 Week St New Iberia, LA 70560	3373670121 (WP)	Air Permit Contact For
David Daly	223 Week St New Iberia, LA 70560	3373670121 (WP)	Responsible Official for

Name	Address	Phone (Type)	Relationship
Dimension Energy Co LLC	223 Weeks St New Iberia, LA 70560	3373670121 (WP)	Air Billing Party for
Dimension Energy Co LLC	223 Weeks St New Iberia, LA 70560	3373670121 (WP)	Water Billing Party for
Dimension Energy Co LLC	223 Weeks St New Iberia, LA 70560	3373670121 (WP)	Owns
Dimension Energy Co LLC	223 Weeks St New Iberia, LA 70560	3373670121 (WP)	Operates

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Ms. Tommie Milam, Permit Support Services Division, at (225) 219-3259 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 32998 - Lake Hatch Central Facility
Activity Number: PER20100001
Permit Number: 2880-00049-03
Air - Minor (Synthetic) Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Lake Hatch Central						
EQT 0001	GR-01 - 250 MBTU/HR Glycol Regenerator-Burner Slack		.25 MM BTU/hr	.25 MM BTU/hr		8760 hr/yr
EQT 0002	GRV-01 - Glycol Regenerator-Sill Column Condenser		1825 MM scf/yr	1825 MM scf/yr		8760 hr/yr
EQT 0003	FL-01 - Control Flare		9.6 MM scf/yr	9.6 MM scf/yr		8760 hr/yr
EQT 0004	CE-01 - Internal Combustion Engine-Exhaust Engine (Clark HMA-8; Gas Compressor)		350 horsepower	350 horsepower		2190 hr/yr
EQT 0005	CE-02 - Internal Combustion Engine-Exhaust Engine (Waukesha 7042G; Gas Compressor)		898 horsepower	898 horsepower	Equipped with a catalytic converter	8760 hr/yr
EQT 0006	SWP-01 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)		208 horsepower	208 horsepower		(None Specified)
EQT 0007	SWP-02 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)		208 horsepower	208 horsepower		(None Specified)
EQT 0008	GE-01 - Internal Combustion Engine-Exhaust Engine (General Motors 3.0L; Generator)		73 horsepower	73 horsepower		8760 hr/yr
EQT 0009	T-01 - 1000 BBL Oil Storage Tank-Common Vent	42000 gallons	177025 bbl/yr	177025 bbl/yr		8760 hr/yr
EQT 0010	T-02 - 1000 BBL Oil Storage Tank-Common Vent	42000 gallons	177025 bbl/yr	177025 bbl/yr		8760 hr/yr
EQT 0011	T-03 - 1000 BBL Oil Storage Tank-Common Vent	42000 gallons	177025 bbl/yr	177025 bbl/yr		8760 hr/yr
EQT 0012	T-05 - 2000 BBL Gunbarrel Tank-Common Vent	84000 gallons	4745 bbl/yr	4745 bbl/yr		8760 hr/yr
EQT 0013	T-06 - 1000 BBL Water Suction Tank-Common Vent	42000 gallons	4.745 MM bbl/yr	4.745 MM bbl/yr		8760 hr/yr
EQT 0014	GP-01 - Gas Operated Pump (Wilden M4)		.24 MM scf/yr	.24 MM scf/yr		52 hr/yr
EQT 0015	GP-02 - Gas Operated Pump (Wilden M4)		.24 MM scf/yr	.24 MM scf/yr		52 hr/yr
EQT 0016	GP-03 - Gas Operated Pump (Wilden M4)		.24 MM scf/yr	.24 MM scf/yr		52 hr/yr
EQT 0017	GP-04 - Gas Operated Pump (Wilden M4)		.24 MM scf/yr	.24 MM scf/yr		52 hr/yr
EQT 0018	GP-07 - Gas Operated Pump (Chemical Injection)		.155 MM scf/yr	.155 MM scf/yr		8760 hr/yr
EQT 0019	GP-08 - Gas Operated Pump (Chemical Injection)		.155 MM scf/yr	.155 MM scf/yr		8760 hr/yr
EQT 0020	GP-09 - Gas Operated Pump (Chemical Injection)		.155 MM scf/yr	.155 MM scf/yr		8760 hr/yr
EQT 0021	GP-10 - Gas Operated Pump (Chemical Injection)		.155 MM scf/yr	.155 MM scf/yr		8760 hr/yr
EQT 0022	GP-11 - Gas Operated Pump (Chemical Injection)		.155 MM scf/yr	.155 MM scf/yr		8760 hr/yr
EQT 0023	GP-12 - Gas Operated Pump (Chemical Injection)		.155 MM scf/yr	.155 MM scf/yr		8760 hr/yr
EQT 0024	19-01-PC - Pneumatic Controllers		4.8 MM scf/yr	4.8 MM scf/yr		8760 hr/yr
EQT 0025	20-01-01 - Organic Solvent Tank	1000 gallons				8760 hr/yr
EQT 0026	27-10-ICE-ES - Internal Combustion Engine-Exhaust Engine (Waukesha 7042G; Gas Compressor)		896 horsepower	896 horsepower	Equipped with a catalytic converter	8760 hr/yr
EQT 0027	28-10-BV - Blowcase Vessel (Compressor Skid Fluids)		29200 gallons/yr	29200 gallons/yr		8760 hr/yr
EQT 0028	29-10-BV - Blowcase Vessel (Compressor Skid Fluids)		29200 gallons/yr	29200 gallons/yr		8760 hr/yr
EQT 0029	30-10-BV - Blowcase Vessel (Compressor Skid Fluids)		29200 gallons/yr	29200 gallons/yr		8760 hr/yr
EQT 0030	31-10-BV - Blowcase Vessel (Condensed Liquids)		16682 gallons/yr	16682 gallons/yr		8760 hr/yr
EQT 0031	32-10-GOP - Gas Operated Pump (Yamaha NDP-40)		.36 MM scf/yr	.36 MM scf/yr		52 hr/yr
EQT 0032	33-10-GOP - Gas Operated Pump (Yamaha NDP-40)		.36 MM scf/yr	.36 MM scf/yr		52 hr/yr
EQT 0033	34-10-GOP - Gas Operated Pump (Yamaha NDP-40)		.36 MM scf/yr	.36 MM scf/yr		52 hr/yr
EQT 0034	35-10-GOP - Gas Operated Pump (Yamaha NDP-40)		.36 MM scf/yr	.36 MM scf/yr		52 hr/yr

INVENTORIES

AI ID: 32998 - Lake Hatch Central Facility
 Activity Number: PER20100001
 Permit Number: 2880-00049-03
 Air - Minor (Synthetic) Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Lake Hatch Central						
EQT 0035	36-10-GOP - Gas Operated Pump (Yamada NDP-40)		2.1 MM scf/yr	2.1 MM scf/yr		300 hr/yr
EQT 0036	37-10-GPFS-RV - Glycol Pump Flash Separator-Relief Vent		.806 MM scf/yr	.806 MM scf/yr		8760 hr/yr
EQT 0037	38-10-HT-WG - Heater Treater-Waste Gas		8.7 MM scf/yr	8.7 MM scf/yr		8760 hr/yr
FUG 0001	FE-01 - Fugitive Emissions					8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Lake Hatch Central							
EQT 0001	GR-01 - 250 MBTUHR Glycol Regenerator-Burner Slack	9.3	110	.5		15	500
EQT 0002	GRV-01 - Glycol Regenerator-Still Column Condenser		.06	1		15	100
EQT 0003	FL-01 - Control Flare	87	1024	.5		30	1500
EQT 0004	CE-01 - Internal Combustion Engine-Exhaust Engine (Clark HMA-8; Gas Compressor)	297	3500	.5		10	638
EQT 0005	CE-02 - Internal Combustion Engine-Exhaust Engine (Waukesha 7042G; Gas Compressor)	342	4032	.5		10	1000
EQT 0006	SWP-01 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)	79	936	.5		10	1000
EQT 0007	SWP-02 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)	79	936	.5		10	1000
EQT 0008	GE-01 - Internal Combustion Engine-Exhaust Engine (General Motors 3.0L; Generator)	28	329	.5		10	1000
EQT 0009	T-01 - 1000 BBL Oil Storage Tank-Common Vent	.5	2	.3		20	70
EQT 0010	T-02 - 1000 BBL Oil Storage Tank-Common Vent	.5	2	.3		20	70
EQT 0011	T-03 - 1000 BBL Oil Storage Tank-Common Vent	.5	2	.3		20	70
EQT 0012	T-05 - 2000 BBL Gunbarrel Tank-Common Vent	2.2	9.3	.3		20	70
EQT 0013	T-06 - 1000 BBL Water Suction Tank-Common Vent	2.2	9.3	.3		20	70
EQT 0014	GP-01 - Gas Operated Pump (Wilden M4)	454	77	.06		2	70
EQT 0015	GP-02 - Gas Operated Pump (Wilden M4)	454	77	.06		2	70
EQT 0016	GP-03 - Gas Operated Pump (Wilden M4)	454	77	.06		2	70
EQT 0017	GP-04 - Gas Operated Pump (Wilden M4)	454	77	.06		2	70
EQT 0018	GP-07 - Gas Operated Pump (Chemical Injection)	16	.3	.02		2	70
EQT 0019	GP-08 - Gas Operated Pump (Chemical Injection)	16	.3	.02		2	70
EQT 0020	GP-09 - Gas Operated Pump (Chemical Injection)	16	.3	.02		2	70
EQT 0021	GP-10 - Gas Operated Pump (Chemical Injection)	16	.3	.02		2	70
EQT 0022	GP-11 - Gas Operated Pump (Chemical Injection)	16	.3	.02		2	70

INVENTORIES

AI ID: 32998 - Lake Hatch Central Facility
Activity Number: PER20100001
Permit Number: 2880-00049-03
Air - Minor (Synthetic) Initial

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Lake Hatch Central							
EQT 0023	GP-12 - Gas Operated Pump (Chemical Injection)	16	.3	.02		2	70
EQT 0024	19-01-PC - Pneumatic Controllers						70
EQT 0025	20-01-OST - Organic Solvent Tank			.1		5	70
EQT 0026	27-10-ICE-ES - Internal Combustion Engine-Exhaust Engine (Waukesha 7042G; Gas Compressor)	342	4032	.5		10	1000
EQT 0027	28-10-BV - Blowcase Vessel (Compressor Skid Fluids)	5.3	.1	.02		2	70
EQT 0028	29-10-BV - Blowcase Vessel (Compressor Skid Fluids)	5.3	.1	.02		2	70
EQT 0029	30-10-BV - Blowcase Vessel (Compressor Skid Fluids)	5.3	.1	.02		2	70
EQT 0030	31-10-BV - Blowcase Vessel (Condensed Liquids)	1.1	.02	.02		2	70
EQT 0031	32-10-GOP - Gas Operated Pump (Yamada NDP-40)	381	115	.08		2	70
EQT 0032	33-10-GOP - Gas Operated Pump (Yamada NDP-40)	381	115	.08		2	70
EQT 0033	34-10-GOP - Gas Operated Pump (Yamada NDP-40)	381	115	.08		2	70
EQT 0034	35-10-GOP - Gas Operated Pump (Yamada NDP-40)	381	115	.08		2	70
EQT 0035	36-10-GOP - Gas Operated Pump (Yamada NDP-40)	381	115	.08		2	70
FUG 0001	FE-01 - Fugitive Emissions						
GRP 0002	CAP 1 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)	79	936	.5		10	1000

Relationships:

ID	Description	Relationship	ID	Description
EQT 0036	37-10-GPFS-RV - Glycol Pump Flash Separator-Relief Vent	Vents to	EQT 0003	FL-01 - Control Flare
EQT 0037	38-10-HT-WG - Heater Treater-Waste Gas	Vents to	EQT 0003	FL-01 - Control Flare

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	- Engines < 500 hp
CRG 0002	Common Requirements Group	- Engines > 500 hp
GRP 0002	Equipment Group	CAP 1 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)
UNF 0001	Unit or Facility Wide	AI 32998 - Lake Hatch Central

Group Membership:

ID	Description	Member of Groups
EQT 0004	CE-01 - Internal Combustion Engine-Exhaust Engine (Clark HMA-8; Gas Compressor)	CRG0000000001
EQT 0005	CE-02 - Internal Combustion Engine-Exhaust Engine (Waukesha 7042G; Gas Compressor)	CRG0000000002
EQT 0006	SWP-01 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)	GRP0000000002

INVENTORIES

AJ ID: 32998 - Lake Hatch Central Facility
Activity Number: PER20100001
Permit Number: 2880-00049-03
Air - Minor (Synthetic) Initial

Group Membership:

ID	Description	Member of Groups
EQT 0007	SWP-02 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)	GRF000000000002
EQT 0008	GE-01 - Internal Combustion Engine-Exhaust Engine (General Motors 3.0L; Generator)	CRG000000000001
EQT 0026	27-10-ICE-ES - Internal Combustion Engine-Exhaust Engine (Waukesha 7042G; Gas Compressor)	CRG000000000002

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplicar	Units Of Measure
0040	0040 Crude Oil and Natural Gas Production (Less than 100 T/Yr Source)		

SIC Codes:

1311	Crude petroleum and natural gas	UNF 001
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 32998 - Lake Hatch Central Facility
 Activity Number: PER20100001
 Permit Number: 2880-00049-03
 Air - Minor (Synthetic) Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Lake Hatch Central															
EQT 0001 GR-01	0.02	0.02	0.11	0.03	0.03	0.13	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
EQT 0002 GRV-01															0.60
EQT 0003 FL-01	0.44	0.44	1.91	0.22	0.22	0.95	0.01	0.01	0.05	<0.01	<0.01	0.01	0.49	0.49	2.13
EQT 0004 CE-01	1.55	2.32	1.70	12.76	15.44	13.98	0.15	0.15	0.17	<0.01	<0.01	<0.01	0.67	0.64	0.74
EQT 0005 CE-02	4.94	6.17	21.63	4.94	6.17	21.63	0.10	0.10	0.43	0.01	0.01	0.03	0.52	0.65	2.28
EQT 0006 SWP-01		8.03			8.03			0.03			<0.01			0.15	
EQT 0007 SWP-02		8.03			8.03			0.03			<0.01			0.15	
EQT 0008 GE-01	2.99	3.73	13.09	1.82	2.28	7.98	0.01	0.01	0.04	<0.01	<0.01	<0.01	0.04	0.05	0.19
EQT 0009 T-01													4.10	11.72	17.97
EQT 0010 T-02													4.10	11.72	17.97
EQT 0011 T-03													4.10	11.72	17.97
EQT 0012 T-05													2.66	2.66	11.60
EQT 0013 T-06													0.32	0.32	1.42
EQT 0014 GP-01													14.43	14.43	0.38
EQT 0015 GP-02													14.43	14.43	0.38
EQT 0016 GP-03													14.43	14.43	0.38
EQT 0017 GP-04													14.43	14.43	0.38
EQT 0018 GP-07													0.06	0.06	0.24
EQT 0019 GP-08													0.06	0.06	0.24
EQT 0020 GP-09													0.06	0.06	0.24
EQT 0021 GP-10													0.06	0.06	0.24
EQT 0022 GP-11													0.06	0.06	0.24
EQT 0023 GP-12													0.06	0.06	0.24

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 32998 - Lake Hatch Central Facility
 Activity Number: PER20100001
 Permit Number: 2880-00049-03
 Air - Minor (Synthetic) Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Lake Hatch Central															
EQT 0024 19-01-PC													1.71	1.71	7.48
EQT 0025 20-01-OST													0.02	0.02	0.07
EQT 0026 27-10-CE-ES	4.94	6.17	21.63	4.94	6.17	21.63	0.10	0.10	0.43	0.01	0.01	0.03	0.52	0.65	2.28
EQT 0027 28-10-BV													0.01	0.16	0.07
EQT 0028 29-10-BV													0.01	0.16	0.07
EQT 0029 30-10-BV													0.01	0.16	0.07
EQT 0030 31-10-BV													0.01	0.01	0.04
EQT 0031 32-10-GOP													21.64	21.64	0.56
EQT 0032 33-10-GOP													21.64	21.64	0.56
EQT 0033 34-10-GOP													21.64	21.64	0.56
EQT 0034 35-10-GOP													21.64	21.64	0.56
EQT 0035 36-10-GOP													21.64	21.64	3.25
FUG 0001 FE-01													0.49	0.49	2.12
GRP 0002 CAP 1	6.96		30.50	6.96		30.50	0.03		0.11		0.01		<0.01	0.13	0.58

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32998 - Lake Hatch Central Facility

Activity Number: PER20100001

Permit Number: 2880-00049-03

Air - Minor (Synthetic) Initial

Emission Pt	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0002 GRV-01	Benzene	0.04	0.04	0.18
	Ethyl benzene	<0.01	<0.01	0.01
	Toluene	0.02	0.02	0.10
	Xylene (mixed isomers)	<0.01	<0.01	0.02
	n-Hexane	<0.01	<0.01	0.01
EQT 0003 FL-01	2,2,4-Trimethylpentane	<0.01	<0.01	0.01
	Benzene	<0.01	<0.01	0.01
	Toluene	0.01	0.01	0.04
	n-Hexane	0.02	0.02	0.10
EQT 0004 CE-01	2,2,4-Trimethylpentane	0.01	0.01	0.01
	Acetaldehyde	0.08	0.08	0.09
	Acrolein	0.03	0.03	0.03
	Benzene	0.01	0.01	0.01
	Ethyl benzene	0.01	0.01	0.01
	Formaldehyde	0.10	0.10	0.11
	Methanol	0.01	0.01	0.01
	Styrene	0.02	0.02	0.02
	Toluene	0.01	0.01	0.01
	Xylene (mixed isomers)	0.01	0.01	0.01
	n-Hexane	0.01	0.01	0.01
EQT 0005 CE-02	Benzene	0.04	0.04	0.19
	Formaldehyde	0.10	0.10	0.43
	Methanol	0.01	0.01	0.06
	Toluene	0.01	0.01	0.06
	Xylene (mixed isomers)	<0.01	<0.01	0.01
EQT 0006 SWP-01	Benzene		0.01	
	Formaldehyde		0.03	
	Methanol		<0.01	
	Toluene		<0.01	
EQT 0007 SWP-02	Benzene		0.01	
	Formaldehyde		0.03	
	Methanol		<0.01	
	Toluene		<0.01	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32998 - Lake Hatch Central Facility

Activity Number: PER20100001

Permit Number: 2880-00049-03

Air - Minor (Synthetic) Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0008 GE-01	Benzene	<0.01	<0.01	0.02
	Formaldehyde	0.01	0.01	0.03
	Toluene	<0.01	<0.01	0.01
EQT 0009 T-01	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	0.01	0.03	0.04
	Ethyl benzene	<0.01	<0.01	0.01
	Toluene	<0.01	<0.01	0.02
	Xylene (mixed isomers)	0.01	0.02	0.02
	n-Hexane	0.18	0.49	0.79
EQT 0010 T-02	2,2,4-Trimethylpentane	<0.01	<0.01	<0.01
	Benzene	0.01	0.03	0.04
	Ethyl benzene	<0.01	<0.01	0.01
	Toluene	<0.01	<0.01	0.02
	Xylene (mixed isomers)	0.01	0.02	0.02
	n-Hexane	0.18	0.49	0.79
EQT 0011 T-03	Benzene	0.01	0.03	0.04
	Ethyl benzene	<0.01	<0.01	0.01
	Toluene	<0.01	<0.01	0.02
	Xylene (mixed isomers)	0.01	0.02	0.02
	n-Hexane	0.18	0.49	0.79
EQT 0012 T-05	2,2,4-Trimethylpentane	<0.01	<0.01	0.01
	Benzene	0.03	0.03	0.13
	Ethyl benzene	<0.01	<0.01	0.02
	Toluene	0.03	0.03	0.13
	Xylene (mixed isomers)	0.02	0.02	0.07
	n-Hexane	0.11	0.11	0.50
EQT 0013 T-06	n-Hexane	0.03	0.03	0.13
EQT 0014 GP-01	2,2,4-Trimethylpentane	0.02	0.02	<0.01
	Benzene	0.21	0.21	0.01
	Ethyl benzene	0.04	0.04	<0.01
	Toluene	0.24	0.24	0.01
	Xylene (mixed isomers)	0.13	0.13	<0.01
	n-Hexane	0.25	0.25	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32998 - Lake Hatch Central Facility

Activity Number: PER20100001

Permit Number: 2880-00049-03

Air - Minor (Synthetic) Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0015 GP-02	2,2,4-Trimethylpentane	0.02	0.02	<0.01
	Benzene	0.21	0.21	0.01
	Ethyl benzene	0.04	0.04	<0.01
	Toluene	0.24	0.24	0.01
	Xylene (mixed isomers)	0.13	0.13	<0.01
	n-Hexane	0.25	0.25	0.01
EQT 0016 GP-03	2,2,4-Trimethylpentane	0.02	0.02	<0.01
	Benzene	0.21	0.21	0.01
	Ethyl benzene	0.04	0.04	<0.01
	Toluene	0.24	0.24	0.01
	Xylene (mixed isomers)	0.13	0.13	<0.01
	n-Hexane	0.25	0.25	0.01
EQT 0017 GP-04	2,2,4-Trimethylpentane	0.02	0.02	<0.01
	Benzene	0.21	0.21	0.01
	Ethyl benzene	0.04	0.04	<0.01
	Toluene	0.24	0.24	0.01
	Xylene (mixed isomers)	0.13	0.13	<0.01
	n-Hexane	0.25	0.25	0.01
EQT 0024 19-01-PC	2,2,4-Trimethylpentane	<0.01	<0.01	0.01
	Benzene	0.03	0.03	0.11
	Ethyl benzene	<0.01	<0.01	0.02
	Toluene	0.03	0.03	0.13
	Xylene (mixed isomers)	0.02	0.02	0.07
	n-Hexane	0.03	0.03	0.13
EQT 0025 20-01-OST	n-Hexane	0.02	0.02	0.07
EQT 0028 27-10-ICE-ES	Benzene	0.04	0.04	0.19
	Formaldehyde	0.10	0.10	0.43
	Methanol	0.01	0.01	0.06
	Toluene	0.01	0.01	0.06
	Xylene (mixed isomers)	<0.01	<0.01	0.01
EQT 0031 32-10-GOP	2,2,4-Trimethylpentane	0.03	0.03	<0.01
	Benzene	0.32	0.32	0.01
	Ethyl benzene	0.06	0.06	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32998 - Lake Hatch Central Facility

Activity Number: PER20100001

Permit Number: 2880-00049-03

Air - Minor (Synthetic) Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0031 32-10-GOP	Toluene	0.36	0.36	0.01
	Xylene (mixed isomers)	0.19	0.19	0.01
	n-Hexane	0.38	0.38	0.01
EQT 0032 33-10-GOP	2,2,4-Trimethylpentane	0.03	0.03	<0.01
	Benzene	0.32	0.32	0.01
	Ethyl benzene	0.06	0.06	<0.01
	Toluene	0.36	0.36	0.01
	Xylene (mixed isomers)	0.19	0.19	0.01
	n-Hexane	0.38	0.38	0.01
EQT 0033 34-10-GOP	2,2,4-Trimethylpentane	0.03	0.03	<0.01
	Benzene	0.32	0.32	0.01
	Ethyl benzene	0.06	0.06	<0.01
	Toluene	0.36	0.36	0.01
	Xylene (mixed isomers)	0.19	0.19	0.01
	n-Hexane	0.38	0.38	0.01
EQT 0034 35-10-GOP	2,2,4-Trimethylpentane	0.03	0.03	<0.01
	Benzene	0.32	0.32	0.01
	Ethyl benzene	0.06	0.06	<0.01
	Toluene	0.36	0.36	0.01
	Xylene (mixed isomers)	0.19	0.19	0.01
	n-Hexane	0.38	0.38	0.01
EQT 0035 36-10-GOP	2,2,4-Trimethylpentane	0.03	0.03	<0.01
	Benzene	0.32	0.32	0.05
	Ethyl benzene	0.06	0.06	0.01
	Toluene	0.36	0.36	0.05
	Xylene (mixed isomers)	0.19	0.19	0.03
	n-Hexane	0.38	0.38	0.06
FUG 0001 FE-01	Benzene	<0.01	<0.01	0.01
	Toluene	<0.01	<0.01	0.02
	Xylene (mixed isomers)	<0.01	<0.01	0.01
	n-Hexane	<0.01	<0.01	0.01
GRP 0002 CAP 1	Benzene	0.01		0.05
	Formaldehyde	0.03		0.11

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 32998 - Lake Hatch Central Facility

Activity Number: PER20100001

Permit Number: 2880-00049-03

Air - Minor (Synthetic) Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0002 CAP 1	Methanol	<0.01		0.01
	Toluene	<0.01		0.02
UNF 0001 AI 32998	2,2,4-Trimethylpentane			0.04
	Acetaldehyde			0.09
	Acrolein			0.03
	Benzene			1.15
	Ethyl benzene			0.09
	Formaldehyde			1.11
	Methanol			0.14
	Styrene			0.02
	Toluene			0.77
	Xylene (mixed isomers)			0.33
	n-Hexane			3.47

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS**AJ ID: 32998 - Lake Hatch Central Facility****Activity Number: PER20100001****Permit Number: 2880-00049-03****Air - Minor (Synthetic) Initial****CRG 0001 - Engines < 500 hp****Group Members: EQT 0004EQT 0008**

- 1 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
- 2 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average

CRG 0002 - Engines > 500 hp**Group Members: EQT 0005EQT 0026**

- 3 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
- 4 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average
- 5 [LAC 33:III.501.C.6] Stack gas concentration: Oxygen monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of O2 in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified
- 6 [LAC 33:III.501.C.6] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
Equipment/operational data recordkeeping by electronic or hard copy annually. Recorded parameters are NOx, CO, O2, SO2 and VOC concentrations in the stack gas obtained during annual testing.
- 7 [LAC 33:III.501.C.6] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Compliance. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 8 [LAC 33:III.501.C.6] Stack gas concentration: Nitrogen oxides monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of NOx in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 32998 - Lake Hatch Central Facility
 Activity Number: PER20100001
 Permit Number: 2880-00049-03
 Air - Minor (Synthetic) Initial

CRG 0002 - Engines > 500 hp

- 10 [LAC 33:III.501.C.6]
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Repeat the test after each major engine overhaul. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 11 [LAC 33:III.501.C.6]
 Stack gas concentration: Carbon monoxide monitored by portable analyzer annually (twelve months after the stack test or previous annual test, plus or minus 30 days). Maintain concentrations of CO in the same range as during the initial stack test. Calibrate portable analyzers before each test using a known reference gas sample.
 Which Months: All Year Statistical Basis: None specified

EQT 0001 GR-01 - 250 MBTU/HR Glycol Regenerator-Burner Stack

- 12 [LAC 33:III.1101.B]
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
- 13 [LAC 33:III.1313.C]
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified

EQT 0002 GRV-01 - Glycol Regenerator-Siil Column Condenser

- 14 [40 CFR 63.760(e)]
 Maintain records as specified in 40 CFR 63.10(b)(3). Subpart HH. [40 CFR 63.760(e)]
- 15 [40 CFR 63.774(d)]
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in 40 CFR 63.774(d)(i) or (d)(ii), as applicable. Subpart HH. [40 CFR 63.774(d)]
- 16 [LAC 33:III.2116.B.2]
 VOC, Total >= 85 % reduction using a control device. Demonstrate percent reduction using the methods found in LAC 33:III.2116.D.
 Which Months: All Year Statistical Basis: None specified
- 17 [LAC 33:III.2116.D]
 Determine compliance with LAC 33:III.2116.B using the methods in LAC 33:III.2116.D.1-5, as appropriate.
- 18 [LAC 33:III.2116.F.1]
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the information specified in LAC 33:III.2116.F.1.

EQT 0003 FL-01 - Control Flare

- 19 [LAC 33:III.1105]
 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 32998 - Lake Hatch Central Facility
Activity Number: PER20100001
Permit Number: 2880-00049-03
Air - Minor (Synthetic) Initial

EQT 0003 FL-01 - Control Flare

- 20 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
- 21 [LAC 33:III.501.C.6] Visible emissions monitored by visual inspection/determination continuously during a process upset event.
 Which Months: All Year Statistical Basis: None specified
- 22 [LAC 33:III.501.C.6] Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Record the information associated with visible emission checks, including the flare device's ID number, the date the visual check was performed, whether visible emissions were detected for a period longer than 6 hours in any 10 consecutive days, the results of any 40 CFR 60, Appendix A, Method 9 testing conducted, and any corrective action employed. Keep records on site and available for inspection by the Office of Environmental Compliance.
 Presence of a flame recordkeeping by electronic or hard copy continuously.
- 23 [LAC 33:III.501.C.6] If it appears an emergency cannot be controlled in six hours, notify the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC) in accordance with LAC 33:1.3923 as soon as possible after the start of the upset period.
- 24 [LAC 33:III.501.C.6] Develop a corrective action plan for re-lighting the flare. Keep plan readily available for immediate implementation in the event the flare needs to be re-lit.
- 25 [LAC 33:III.501.C.6] Opacity monitored by 40 CFR 60, Appendix A, Method 9 upon occurrence of event. Monitor during the next required visible emissions check, if visible emissions are detected for a period longer than six hours in any 10 consecutive days. If the shade or appearance of the emission is darker than 20 percent average opacity, take corrective action to return the flare to its proper operating condition, and repeat the opacity reading in accordance with Method 9 during the next required visible emissions check.
- 26 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Presence of a flame monitored by visual inspection/determination daily.
 Which Months: All Year Statistical Basis: None specified

EQT 0026 27-10-ICE-ES - Internal Combustion Engine-Exhaust Engine (Waukesha 7042G; Gas Compressor)

- 28 [40 CFR 60.4230(a)(3)(i)] NSPS Subpart JJJJ: EXEMPT - Engine manufactured prior to July 1, 2007.
 [40 CFR 60.4230(a)(3)(i)]
- 29 [40 CFR 63.6590(c)] Meet the requirements of 40 CFR 60 Subpart IIII for compression ignition engines or 40 CFR 60 Subpart JJJJ for spark ignition engines.
 Subpart ZZZZ. [40 CFR 63.6590(c)]

FUG 0001 FE-01 - Fugitive Emissions

- 30 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

GRP 0002 CAP 1 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)

Group Members: EQT 0006 EQT 0007

SPECIFIC REQUIREMENTS

AJ ID: 32998 - Lake Hatch Central Facility

Activity Number: PER20100001

Permit Number: 2880-00049-03

Air - Minor (Synthetic) Initial

GRP 0002 CAP 1 - Internal Combustion Engine-Exhaust Engine (Waukesha F1197G; SWD Pump)

- 31 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: None specified
- 32 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average
- 33 [LAC 33:III.501.C.6] Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the total fuel consumption each month, as well as the total fuel consumption for the last twelve months. Make records available for inspection by DEQ personnel.
- 34 [LAC 33:III.501.C.6] Fuel rate <= 21736 MM BTU/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, if total fuel consumption exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
Fuel rate monitored by technically sound method continuously.
- 35 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
Fuel rate monitored by technically sound method continuously.
- 36 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Twelve-consecutive-month maximum
Fuel rate Submit report: Due annually, by the 31st of March. Report the fuel consumption for the preceding calendar year to the Office of Environmental Compliance. This report can be combined with reports required under LAC 33:III.535.

UNF 0001 AJ 32998 - Lake Hatch Central

- 37 [40 CFR 63.] All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 2 of 40 CFR 63 Subpart HH.
- 38 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
Outdoor burning of waste material or other combustible material is prohibited.
- 39 [LAC 33:III.1109.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 40 [LAC 33:III.1303.B] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 41 [LAC 33:III.2113.A] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 42 [LAC 33:III.2119] Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
- 43 [LAC 33:III.2901.D] Comply with the Louisiana General Conditions as set forth in LAC 33:III.537.
- 44 [LAC 33:III.537] During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- 45 [LAC 33:III.5611.B]